

## **8. IRREVERSIBLE OR IRRETRIEVABLE COMMITMENTS OF RESOURCES**

For the proposed project, some of the resource commitments would be irreversible and irretrievable; that is, the resources would be neither renewable nor recoverable for future use. Resources that would be irreversibly or irretrievably committed by construction and demonstration of the proposed facility include a small amount of vegetation destroyed at the site, construction materials that could not be recovered or recycled, and fuel and sorbent consumed or reduced to unrecoverable forms of waste.

Resources used during construction of the proposed facility would include crushed stone, sand, water, diesel fuel, gasoline, and iron ore used to produce steel. Resources used during the demonstration would include coal, petroleum coke, limestone, lime, and water. None of these resources is in short supply relative to the size and location of the proposed project.

The proposed project requires a commitment of human and financial resources that could threaten or jeopardize the use of these resources for alternative projects or federal activities. However, the commitment is consistent with the purpose of and need for the proposed action (Section 1).